

Date: Thursday, 11/09/2008 10:42:11 AM
User: Julie Lecocq

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : SEAT FRAME ASSEMBLY
Job Number : 41977	
Estimate Number : 11122	
P.O. Number :	Part Number : D3016041
This Issue : 11/09/2008 S.O. No. :	Drawing Number : D3016 REV A
Prsht Rev. : NC	Project Number : N/A
First Issue : / / Type : LARGE FAB ASSY	Drawing Revision : A
Previous Run : 39599	Material :
Written By :	Due Date : 15/10/2008 Qty: 1 Um: Each
Checked & Approved By : <u>JLP 08.9.11</u>	
Comment : Est. A 01.09.19 New issue EC	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	M4130NT0750W049	4130 RD Tube .750 x.049W
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Comment: Qty.: 4.5150 f(s)/Unit Total : 4.5150 f(s)
4130 Tube .750 OD x.049W
Cut:- AISI 4130N tube, Ø3/4" x 0.049" wall
Batch: M10342

M 08/11/03

2.0	M4130NT1000W120	4130 RD Tube 1.00 x .120wall
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Comment: Qty.: 1.5750 f(s)/Unit Total : 1.5750 f(s)
4130 Tube 1.0"D X 0.120"W
batch M11591

M 08/11/03

3.0	M4130NT0500W049	4130 RD Tube .500 x.049W
-----	-----------------	--------------------------



Comment: Qty.: 4.5150 f(s)/Unit Total : 4.5150 f(s)
4130 Tube .500 OD x.049W
Cut- AISI 4130N tube, Ø1/2" x 0.049" wall
Batch: M106651

M 08/11/03

4.0	D301617	Gusset
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Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)
Gusset
Pick:
Qty Part Number Description Batch
2 D3016-17 Gusset B39641

M 08/11/03

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 11/09/2008 10:42:11 AM
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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SEAT FRAME ASSEMBLY

Job Number: 41977

Part Number: D3016041

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

D301613

Bracket



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Bracket

Pick:

Qty	Part Number	Description	Batch
2	D3016-13	Bracket	B34208

08/11/03

6.0

D301615

Gusset



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Gusset

Pick:

Qty	Part Number	Description	Batch
2	D3016-15	Gusset	B25762

08/11/03

7.0

D30201

Fitting



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Fitting

Pick:

Qty	Part Number	Description	Batch
4	D3020-1	Fitting	B36713

08/11/03

8.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1-Cut all tubes as per Dwg D3016

2-Deburr

3-Assemble and weld as per Dwg D3016 using welding jig DT8597

A/R 4130 Rod Batch: M102226

4-Transfer drill holes from D3017-041 and D3021-041 in seat frame D3016-041

08/11/04

9.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

BE 08/11/04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Drawing Name: SEAT FRAME ASSEMBLY

Job Number: 41977

Part Number: D3016041

Job Number:



Seq. #:

Machine Or Operation:

Description:

10.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

Scrubbed (x)

11.0

POWDER COATING

POWDER COATING



M106442



(1X)

Comment: POWDER COATING

Install paint screws on fitting ends

Powder Coat Grey sandtex (Ref. 4.3.5.6) as per QSI 005

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

*7:30
320 OF
8:00*

M-L 08/11/05

12.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



HL



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

08-11-05 (x)

13.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

PPP 41957

AS 08/11/05 (x)

14.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/11/06

Job Completion



MF 08-11-05

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN <i>CP</i>	DRAWN BY <i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>#</i>	APPROVED <i>#</i>	DRAWING NO. D3016	REV. A SHEET 1 OF 3
DATE 01.05.18		TITLE SEAT FRAME ASSEMBLY	SCALE NTS
A	01.05.18	NEW ISSUE	

QTY	PART NUMBER	DESCRIPTION	MATERIAL
X	D3016-041	SEAT FRAME ASSEMBLY	N/A
1	D3016-1	TUBE	AISI 4130N TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)
2	D3016-3	TUBE	AISI 4130N TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)
1	D3016-5	TUBE	AISI 4130N TUBE, Ø0.50 DIA x 0.049 WALL (M4130N-T0500W049)
2	D3016-7	TUBE	AISI 4130N TUBE, Ø0.50 DIA x 0.049 WALL (M4130N-T0500W049)
1	D3016-9	SADDLE	AISI 4130N TUBE, Ø1.00 DIA x 0.120 WALL (M4130N-T1000W120)
1	D3016-11	SADDLE	AISI 4130N TUBE, Ø1.00 DIA x 0.120 WALL (M4130N-T1000W120)
1	D3016-13	BRACKET	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)
1	D3016-15	GUSSET	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)
1	D3016-17	GUSSET	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)
2	D3020-1	FITTING	N/A

NOTES

- 1) WELD PER DART QSI 004
- 2) ON SHEET METAL PARTS, BREAK ALL UNMARKED CORNERS 0.020-0.040
- 3) FINISH: POWDER COAT GREY SANDTEX (REF. 4.3.5.6) PER DART QSI 005 4.3
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

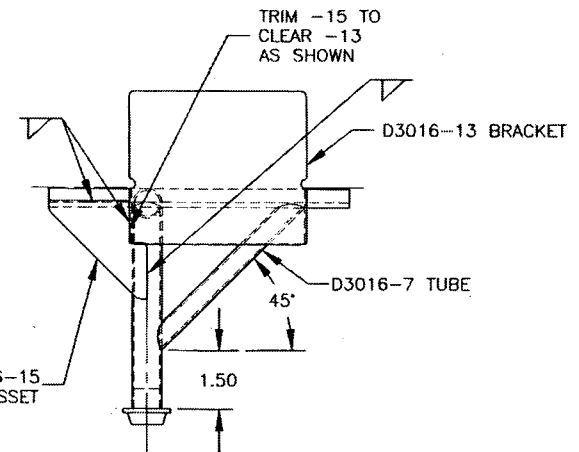
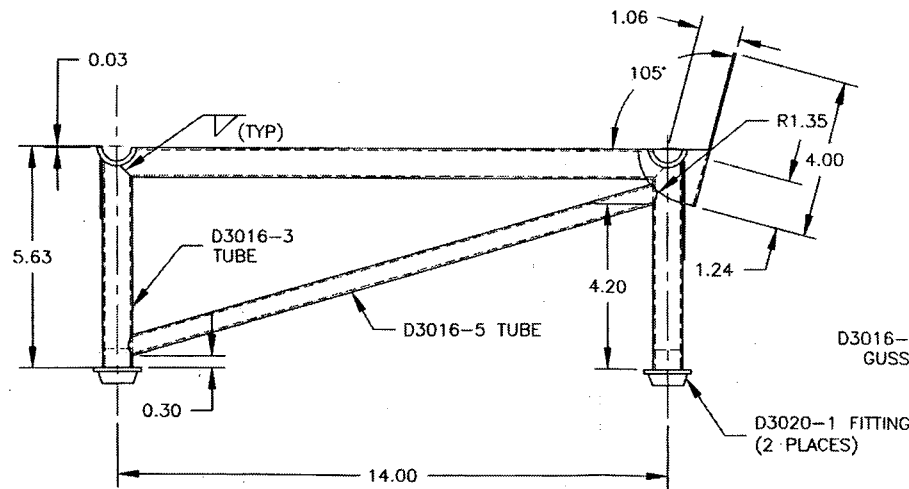
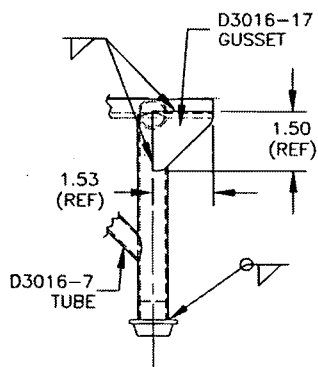
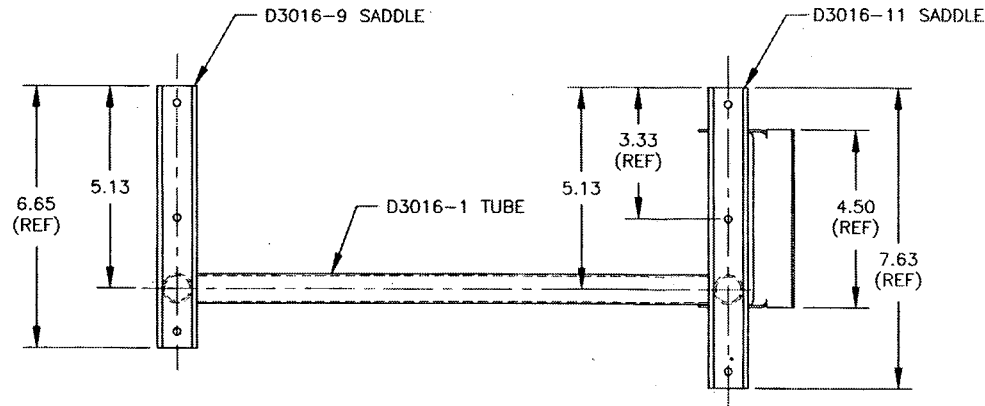
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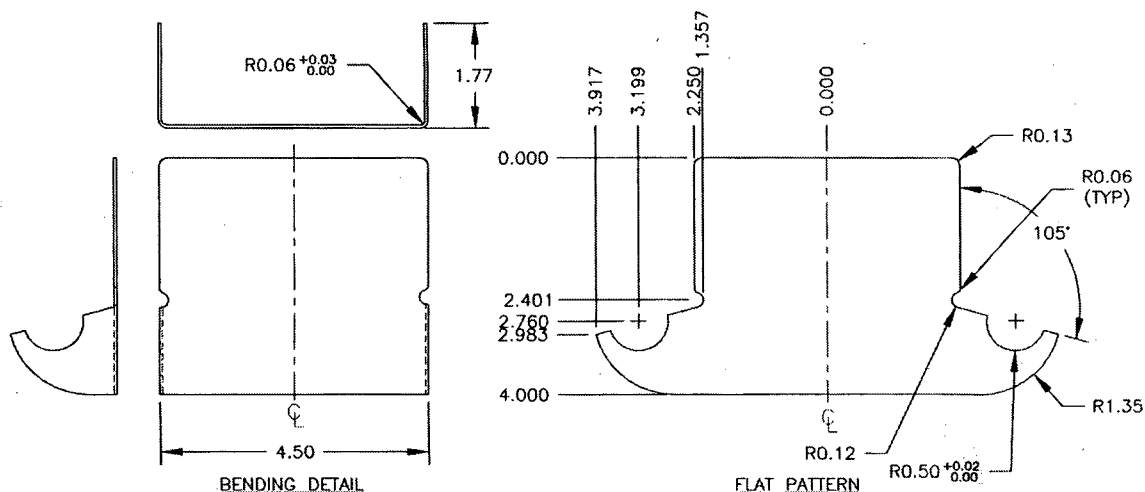
D3016-041 SEAT FRAME ASSEMBLY



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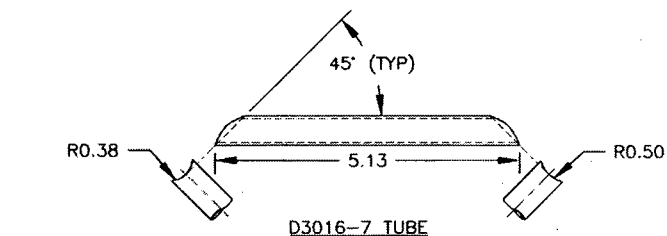
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DATE		01.05.18		DRAWING NO.	REV. A
				D3016	SHEET 2 OF 3
				TITLE	SCALE
				SEAT FRAME ASSEMBLY	1:3



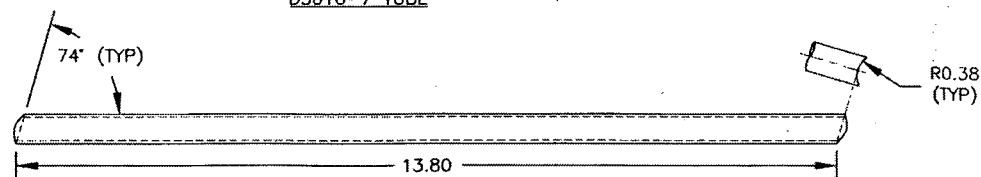
D3016-13 BRACKET

D3016-15 GUSSET

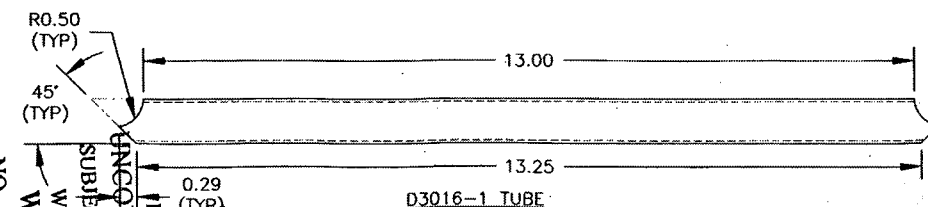
D3016-17 GUSSET



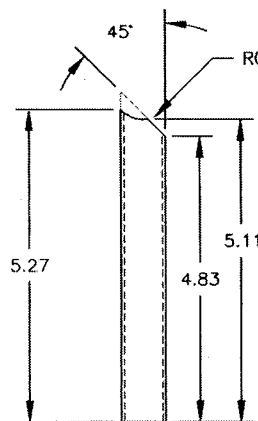
D3016-7 TUBE



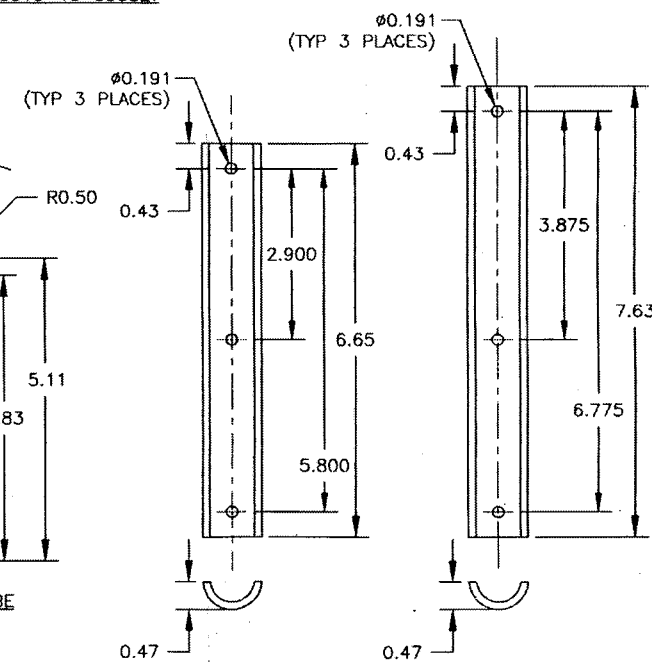
D3016-5 TUBE



D3016-1 TUBE



D3016-3 TUBE



D3016-9 SADDLE

D3016-11 SADDLE

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CHECKED	APPROVED	DRAWING NO. D3016	REV. A SHEET 3 OF 3
DATE 01.05.18		TITLE SEAT FRAME ASSEMBLY	SCALE 1:2

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